

STIC-ILL

08151.17

From: Ton, Thaia
Sent: Wednesday, June 04, 2003 3:46 PM
To: STIC-ILL
Cc: Ton, Thaia
Subject: Article Request

I would like to request the following:

Mol Cell Biochem 1996 Apr 12-26;157(1-2):125-8
Regulation of expression of cardiac sarcoplasmic reticulum proteins under pathophysiological conditions.
Dillmann WH.

Thank you very much.

Thái-An N. Ton

Patent Examiner

Art Unit 1632

Room: 12A16 CM1

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(703) 305-1019

09/614,326

STIC-ILL

Mic
Q.P. 1. A5

From: Ton, Thaïan
Sent: Wednesday, June 04, 2003 3:42 PM
To: STIC-ILL
Cc: Ton, Thaïan
Subject: Article Request

I would like to request the following:

TITLE: Expression of a recombinant preproendothelin-1 gene in
arteries stimulates vascular contractility
AUTHOR(S): Schott, Eckart; Tostes, Rita C. A.; San, Hong; Paul,
Martin; Webb, R. Clinton; Nabel, Elizabeth G.
CORPORATE SOURCE: Department Internal Medicine, University Michigan, Ann
Arbor, MI, 48109, USA
SOURCE: American Journal of Physiology (1997),
272(5, Pt. 2), H2385-H2393
CODEN: AJPHAP; ISSN: 0002-9513

Thank you.

Thái-An N. Ton
Patent Examiner
Art Unit 1632
Room: 12A16 CM1
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09/614,326

ACCESSION NUMBER: 1997:351342 CAPLUS
DOCUMENT NUMBER: 127:61150
TITLE: Expression of a recombinant preproendothelin-1 gene in
arteries stimulates vascular **contractility**
AUTHOR(S): Schott, Eckart; Tostes, Rita C. A.; San, Hong; Paul,
Martin; Webb, R. Clinton; Nabel, Elizabeth G.
CORPORATE SOURCE: Department Internal Medicine, University Michigan, Ann
Arbor, MI, 48109, USA
SOURCE: American Journal of Physiology (1997),
272(5, Pt. 2), H2385-H2393
CODEN: AJPHAP; ISSN: 0002-9513
PUBLISHER: American Physiological Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Endothelin (ET)-1 is a potent vasoconstrictor peptide that is elevated in cardiovascular diseases. However, the biol. function of ET-1 gene expression within arteries in vivo has not been determined. The effects of ET-1 gene expression were investigated using gene-transfer methods on porcine vascular cells in vitro and porcine arteries in vivo. **Transfection** of vascular cells with a vector encoding for human preproendothelin-1 cDNA (pVR-ppET) resulted in significant **increases** in active ET-1 levels in culture supernatant compared with nontransfected cells. This supernatant **contracted** rat aortic strips at concns. 10-fold lower than synthetic ET-1 protein, which was inhibited by the ET-A receptor antagonist BQ-123. **Transfection** of pVR-ppET into pig iliofemoral arteries resulted in an **increase** in **contractile** responses to angiotensin I compared with control vessels, in contrast to serotonin, phenylephrine, synthetic ET-1, and angiotensin II. A mitogenic effect of recombinant ET-1 on intimal cell growth was not observed. These findings demonstrate that expression of a recombinant ET-1 gene in vivo augments vascular **contractility** due to an **increased** sensitivity to angiotensin I, suggesting a role for ET-1 in the pathogenesis of cardiovascular diseases.

(FILE 'HOME' ENTERED AT 15:26:06 ON 04 JUN 2003)

FILE 'CAPLUS, MEDLINE, EMBASE, BIOSIS, LIFESCI' ENTERED AT 15:26:50 ON 04
JUN 2003

L1	6 S CONTRACT? WITH TRANSFECT?
L2	2 DUP REM L1 (4 DUPLICATES REMOVED)
L3	1781 S CONTRACT? AND TRANSFECT?
L4	770 S L3 AND PY<=1997
L5	289 DUP REM L4 (481 DUPLICATES REMOVED)
L6	95 S L5 AND INCREAS?

(FILE 'HOME' ENTERED AT 15:14:12 ON 04 JUN 2003)

FILE 'CAPLUS, MEDLINE, EMBASE, BIOSIS, LIFESCI' ENTERED AT 15:14:35 ON 04
JUN 2003

L1	0 S (BETA ADJ ADRENEGIC) AND CONTRACT?
L2	0 S (BETA ADJ ADRENERGIC) AND CONTRACT?
L3	0 S (BETA ADJ ADRENERGIC)
L4	175846 S (BETA WITH ADRENERGIC)
L5	10155 S L4 AND CONTRACT? AND (HEART OR CARDIA?)
L6	46 S L5 AND TRANSFECT?
L7	20 S L6 AND PY<=1997
L8	9 DUP REM L7 (11 DUPLICATES REMOVED)